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 TI Method for manufacturing water purification concrete using industrial
 by-product
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 PA S. Korea
 SO Repub. Korean Kongkae Taeho Kongbo, No pp. given
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 CC 60-3 (Waste Treatment and Disposal)
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
KR 2001069443	ICM	C04B018-04

AB Disclosed is a method for manufacturing water purification concrete using industrial

byproduct to reduce environmental damage due to water pollution being
 generated by inflowing wastewater in river and lake, stream, to reuse
 wastes like waste concrete, furnace slag, silica fume, **fly**
ash etc. The method for manufacturing water purification concrete using
 industrial byproduct is characterized by forming crevice ratio of 15-30%
 by making water binder ratio to 25-35% using **Portland**
cement, crushed stone of 5-13 mm, 13-20 mm grain size range, waste
 concrete regenerated aggregate, natural aggregate; mixing **fly**
ash of 5-20%, silica dust of 5-20%, furnace slag of 10-40%, fine
 powder and Fe type **zeolite** of 5-30% as blending material with
 cement weight ratio; mixing high efficiency AE decreasing matter of 1-3% as
 blending material with cement weight ratio; mixing reinforcement fiber like
 mesh type polypropylene chopped fiber and pitch derived carbon fiber of
 0.5-4.0% with cement capacity ratio; using SBR (styrene butadiene rubber)
 latex of 5-20% with cement weight ratio to improve adhesive power and
 internal force efficiency.

ST wastewater treatment industrial waste